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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,142		12/23/2003	Per H. Hammarlund	2207/17413 7461	
23838	7590	12/27/2005		EXAMINER	
KENYON		ON	MOAZZAMI, NASSER G		
1500 K STR SUITE 700	EET NW		ART UNIT	PAPER NUMBER	
WASHING	ron, dc	20005	2187		
				DATE MAILED: 12/27/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Occurrence	10/743,142	HAMMARLUND ET AL.					
Office Action Summary	Examiner	Art Unit					
	Nasser G. Moazzami	2187					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 12/23	3/2005						
	action is non-final.						
·=	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	•						
Disposition of Claims							
4)⊠ Claim(s) <u>1-18</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw							
5) Claim(s) is/are allowed.	m nom ochologialom.						
6) Claim(s) <u>1-18</u> is/are rejected.	_						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement						
	olosion roquiloment.						
Application Papers							
9) The specification is objected to by the Examine		<u>.</u>					
10) The drawing(s) filed on is/are: a) acce	•						
Applicant may not request that any objection to the		• •					
Replacement drawing sheet(s) including the correcti	- · · · · · · · · · · · · · · · · · · ·	•					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	)-(d) or (f).					
<ol> <li>Certified copies of the priority documents</li> </ol>	s have been received.						
<ol><li>Certified copies of the priority documents</li></ol>	s have been received in Applicati	on No					
<ol><li>Copies of the certified copies of the prior</li></ol>	ity documents have been receive	ed in this National Stage					
application from the International Bureau	(PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of	of the certified copies not receive	ed.					
Attachment(s)							
Notice of References Cited (PTO-892)	4) Interview Summary						
Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate atent Application (PTO-152)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atom Apphoaudit (i 10-102)					

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Favor (US Patent No. 6,732,236).

As per claims 1-4, Favor discloses a method comprising: executing a first instruction in a processor; if the execution of the first instruction generates a cache miss, associating the first instruction with the cache miss; enqueuing the first instruction for re-execution; and after the cache miss with which the first instruction is associated is serviced, re-executing the first instruction, the method further comprising associating the cache miss with a second instruction dependent on the first instruction, assigning an identifier to the cache miss and determining a priority of the instruction [an access request involved in a cache miss, storing the cache miss in a retry queue while the cache fill is pending, detecting the return of the cache fill and inserting the access request associated with the cache miss for processing (column 1, lines)

53-59); in the case of cache miss, the access request is transmitted to retrieve the requested data back to the cache (column 2, lines 32-35); if the address lookup determines that no matching is found indicating a cache miss, then the address lookup forward a cache fill request to the cache request queue (column 3, lines 23-26); the address tag is a seven bits and identifies the retry request queue (RRQ) entry with its associated cache line (column 4, lines 6-14); RRQ control logic compares the seven bit address tag to the entries located in the RRQ and changes the retry bit from ineligible to eligible for matching entries so the eligible retry can be inserted into arbitration module (column 4, lines 40-60)].

As per claims 5-18, claims 5-18 encompass the same scope of the invention as those of claims 1-4 in addition of a processor and a system having means for performing the method of claims 1-4. Therefore, claims 5-18 are rejected for the same reasons as stated above with respect to claims 1-4.

## Conclusion

- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See attached PTO-892.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nasser G. Moazzami whose telephone number is (571) 272-4195. The examiner can normally be reached on 7:00AM-5:30PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Donald Sparks can be reached on (571) 272-4201. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

5. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

NASSER MOAZZAMI PRIMARY EXAMINER

12/20/2005